

# Heat-Resistance Cables

## TD 833 CF FEP data cable with extended temperature range and overall copper screen



### Construction:

<b>Conductor:</b>	tinned copper strands acc. to ASTM B 286
<b>Insulation:</b>	FEP, 6YI1 acc. to VDE 0207 part 6
<b>Colour code:</b>	with reference to DIN VDE 47100
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	PETP foil
<b>Screen:</b>	tinned copper braiding
<b>Sheath material:</b>	FEP, 6YM1 acc. to VDE 0207 part 6
<b>Sheath colour:</b>	white / black

### Technical data:

<b>Peak operating voltage:</b>	max. 375 V
<b>Testing voltage:</b>	1500 V
<b>Min. bending radius:</b>	7.5 x d
<b>Radiation resistance:</b>	1 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	
<i>fixed laying:</i>	-90/+180 °C
<i>flexible application:</i>	-55/+180 °C
<i>limited time of use:</i>	+200 °C
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
<b>Chem. resistance:</b>	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/14

### Outstanding features:

- excellent resistance against chemicals and solvents
- excellent temperature resistance and flexibility at low temperatures
- excellent electrical insulating characteristics with low, nearly frequency-independent dielectric characteristics

item no.	dimension	nominal ø single wire ø mm	max. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
38330228	2 x AWG 28/7	0,127	2,65	10,2	13,0
38330226	2 x AWG 26/7	0,160	2,85	11,2	15,0
38330224	2 x AWG 24/7	0,203	3,15	13,0	17,0
38330222	2 x AWG 22/7	0,254	3,50	17,2	22,0
38330220	2 x AWG 20/7	0,320	3,90	21,1	27,0
38330328	3 x AWG 28/7	0,127	2,80	11,1	15,0
38330326	3 x AWG 26/7	0,160	3,00	12,6	17,0
38330324	3 x AWG 24/7	0,203	3,30	15,2	21,0
38330322	3 x AWG 22/7	0,254	3,65	20,7	27,0
38330320	3 x AWG 20/7	0,320	4,15	28,2	37,0
38330428	4 x AWG 28/7	0,127	2,95	12,0	17,0
38330426	4 x AWG 26/7	0,160	3,20	13,9	20,0
38330424	4 x AWG 24/7	0,203	3,55	19,1	25,0
38330422	4 x AWG 22/7	0,254	3,90	25,9	33,0
38330420	4 x AWG 20/7	0,320	4,55	33,7	44,0
38330528	5 x AWG 28/7	0,127	3,15	12,9	20,0
38330526	5 x AWG 26/7	0,160	3,50	17,0	24,0
38330524	5 x AWG 24/7	0,203	3,85	21,4	30,0

item no.	dimension	nominal ø single wire ø mm	max. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
38330522	5 x AWG 22/7	0,254	4,40	29,4	41,0
38330520	5 x AWG 20/7	0,320	4,95	40,9	54,0
38330728	7 x AWG 28/7	0,127	3,45	16,3	23,0
38330726	7 x AWG 26/7	0,160	3,75	19,8	28,0
38330724	7 x AWG 24/7	0,203	4,20	27,6	38,0
38330722	7 x AWG 22/7	0,254	4,70	38,2	50,0
38330720	7 x AWG 20/7	0,320	5,45	53,6	70,0
38331028	10 x AWG 28/7	0,127	4,25	20,8	32,0
38331026	10 x AWG 26/7	0,160	4,70	25,7	39,0
38331024	10 x AWG 24/7	0,203	5,30	38,0	54,0
38331022	10 x AWG 22/7	0,254	5,95	52,2	70,0
38331020	10 x AWG 20/7	0,320	6,80	73,5	95,0
38331228	12 x AWG 28/7	0,127	4,40	22,5	35,0
38331226	12 x AWG 26/7	0,160	4,80	30,1	44,0
38331224	12 x AWG 24/7	0,203	5,50	42,4	60,0
38331222	12 x AWG 22/7	0,254	6,10	59,1	79,0
38331220	12 x AWG 20/7	0,320	7,00	86,1	110,0
38339051	2 x 0,5 + 5 x 2 x 0,34		7,7		
38339xxx	3 x 2 + 0,25		4,8		

Other dimensions and colours are possible on request.